

SCANNED, # 12

Fig. 1

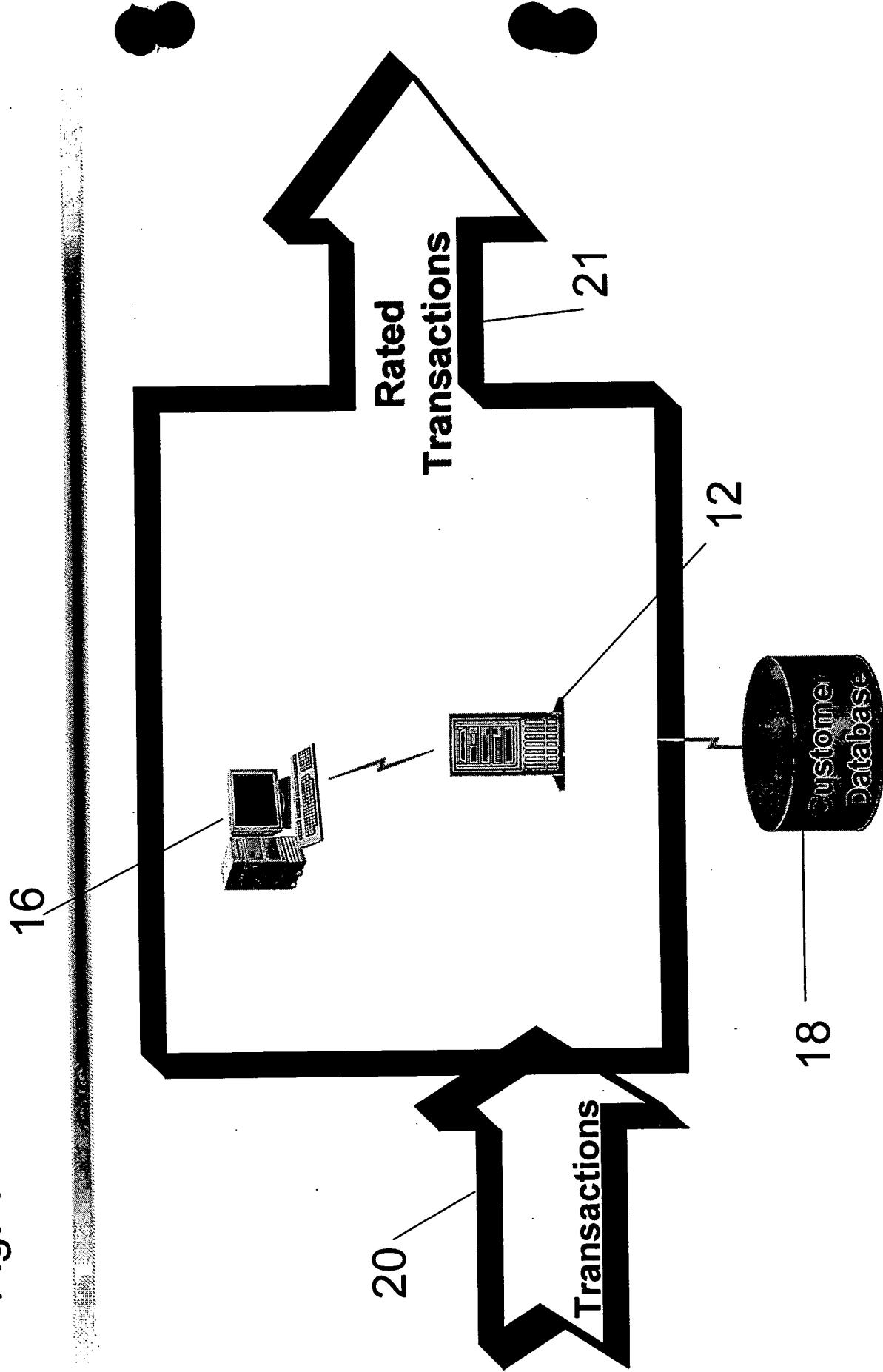
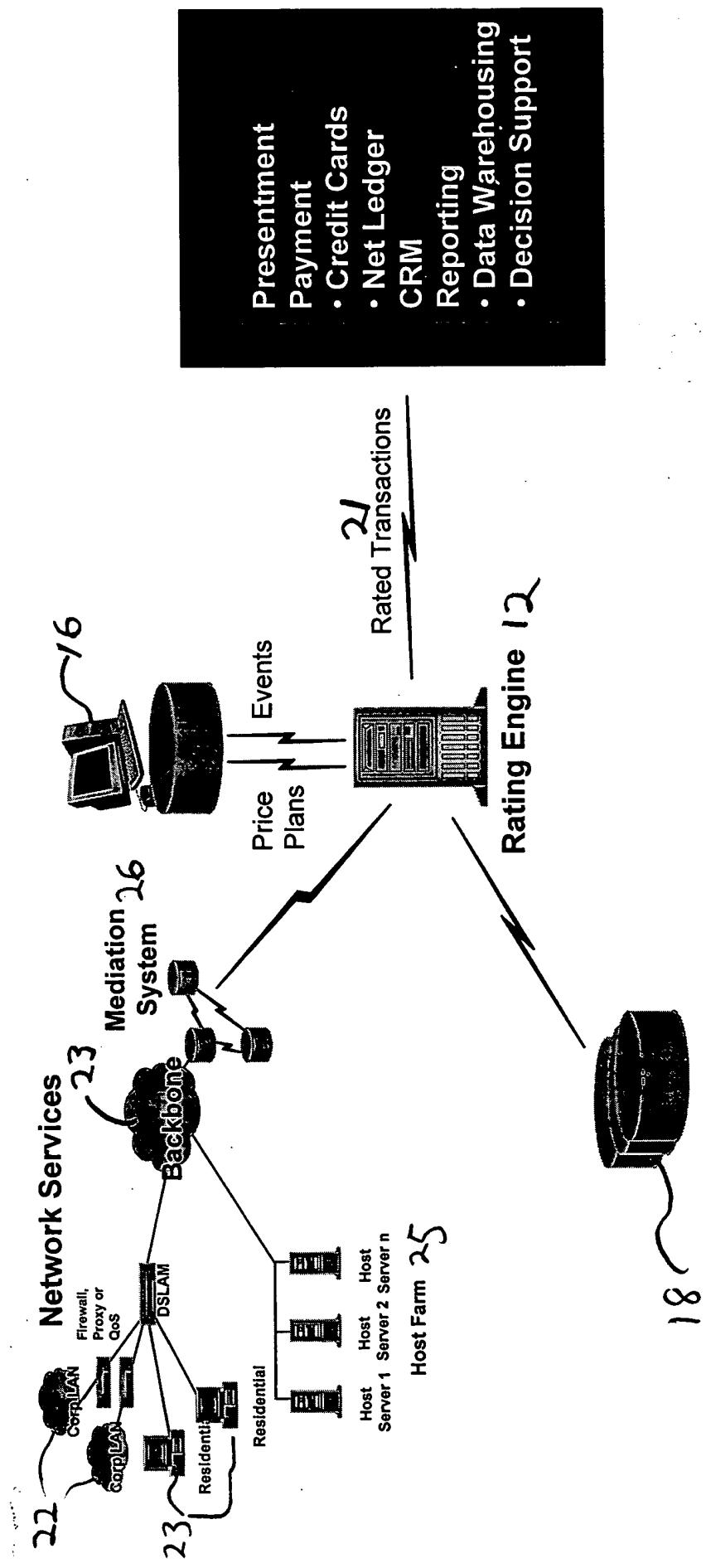


Fig. 2



The screenshot shows a Microsoft Internet Explorer window displaying an XML configuration file named 'Wireless.xml'. The file is located at 'D:\Pricemakerdemo\Server\InputComponents\Wireless.xml'. The XML code defines an 'InputComponent' with a 'batchIDOption' of 'hourly'. It includes a 'ConfigurationData' section containing a 'FileExternalEventHandler' (using 'RotationFileManager' with a 2-file rotation), a 'FileManager' (with directory 'demo/wireless/testdata' and rotation file names 'Wirelessdata.1' and 'Wirelessdata.2'), a 'StreamProcessor' (with maxEventsPerFile=500, eventColumn=1, and columnDelimiter=','), and a 'StringFormat' (with dateFormat='yyyy.MM.dd kk:mm:ss:SSS z', booleanTrue='true', booleanFalse='false', and vectorDelimiter=';'). There is also a 'ConfigurationData' section for an 'Event' with eventType='EmailRecur' and responseType='afterEventProcessing', which contains a 'StreamProcessor' with columns 'event' and 'record' both set to 'string'. The XML uses CDATA sections for some configuration values.

```
<!DOCTYPE InputComponent (view Source for full doctype...)>
- <InputComponent
  eventHandlerClassName="com.rii.pricemaker.inputcomponents.skeleton.handlers.file.implementation.FileExternalEventHandler"
  batchIDOption="hourly">
- <ConfigurationData>
- <![CDATA[
    <FileExternalEventHandler>
      fileManager = "com.rii.pricemaker.inputcomponents.skeleton.handlers.file.filemanagers.RotationFileManager"
      streamProcessor = "com.rii.pricemaker.inputcomponents.skeleton.handlers.file.streamprocessors.flatformat.Flat"
      copyFilesOnError = false
    </FileExternalEventHandler>

    <FileManager>
      directory="demo/wireless/testdata"
      rotationFileNames="Wirelessdata.1" "Wirelessdata.2"
    </FileManager>

    <StreamProcessor>
      maxEventsPerFile=500
      eventColumn=1
      columnDelimiter=","
      <StringFormat>
        dateFormat="yyyy.MM.dd kk:mm:ss:SSS z"
        booleanTrue = "true"
        booleanFalse = "false"
        vectorDelimiter = ";"
      </StringFormat>
    </StreamProcessor>

  ]]>
</ConfigurationData>
- <Event eventType="EmailRecur" responseType="afterEventProcessing">
- <ConfigurationData>
- <![CDATA[
      <StreamProcessor>
        column = "event" : "string"
        column = "record" : "string"
        column = "customerid" : "string"
    </StreamProcessor>
  ]]>
</ConfigurationData>
```

Figure 3

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Fig. 4

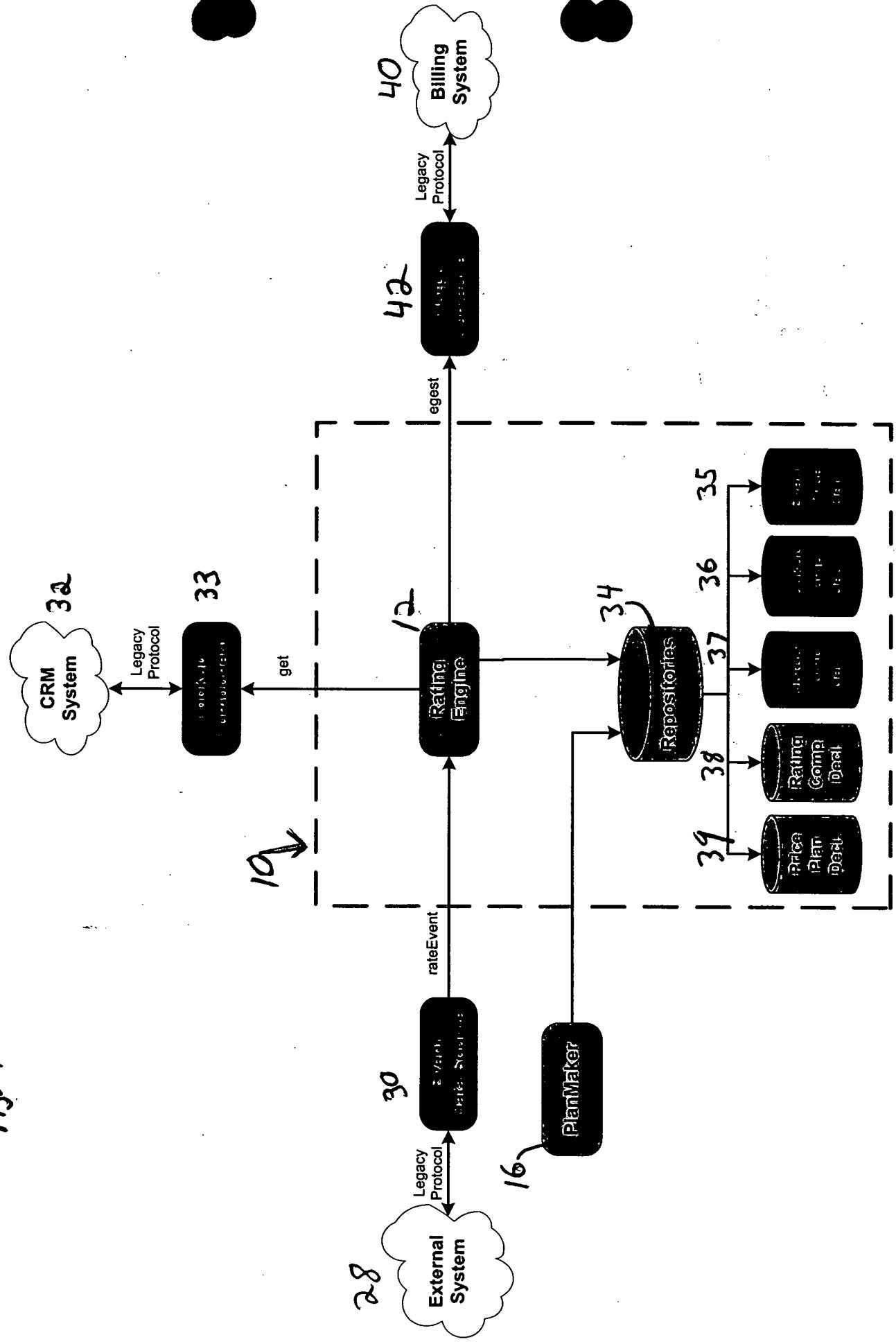
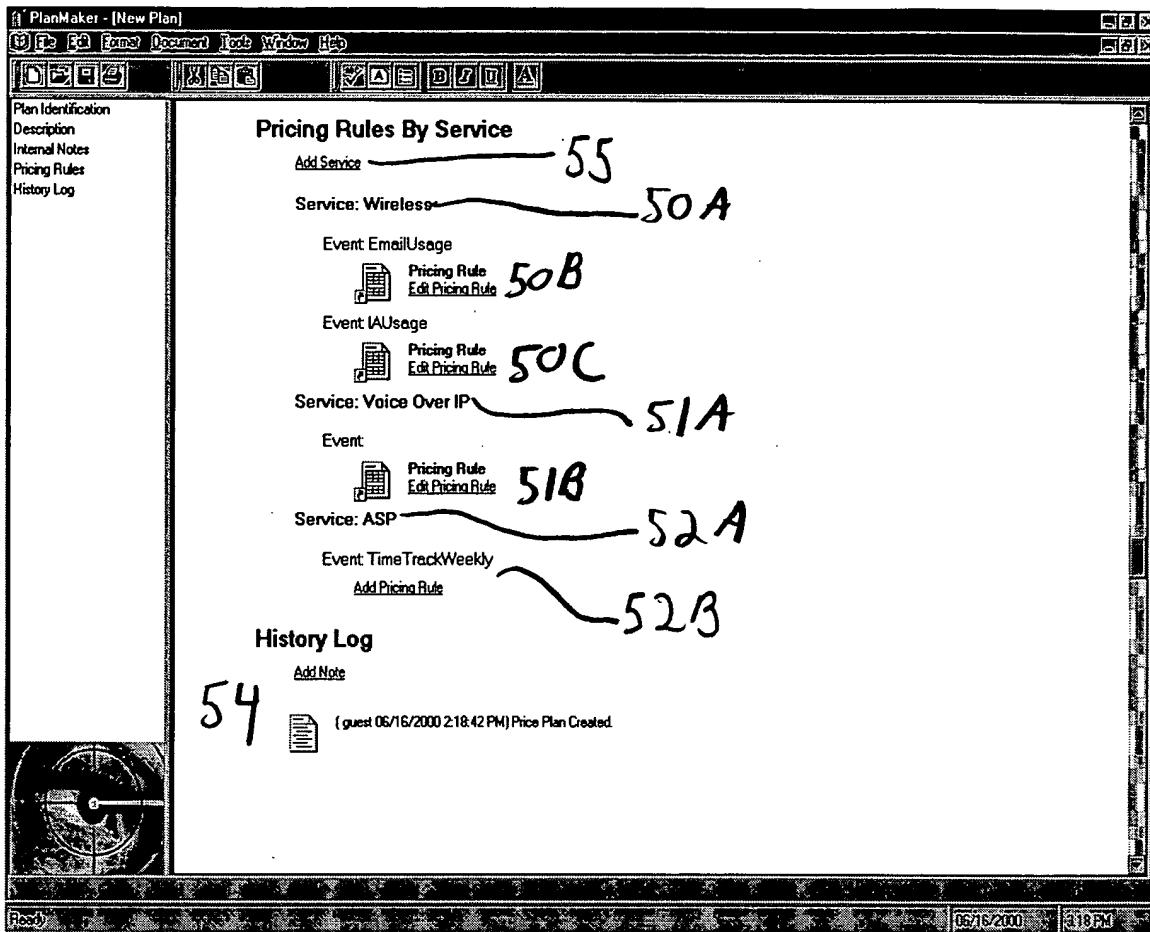


Figure 5



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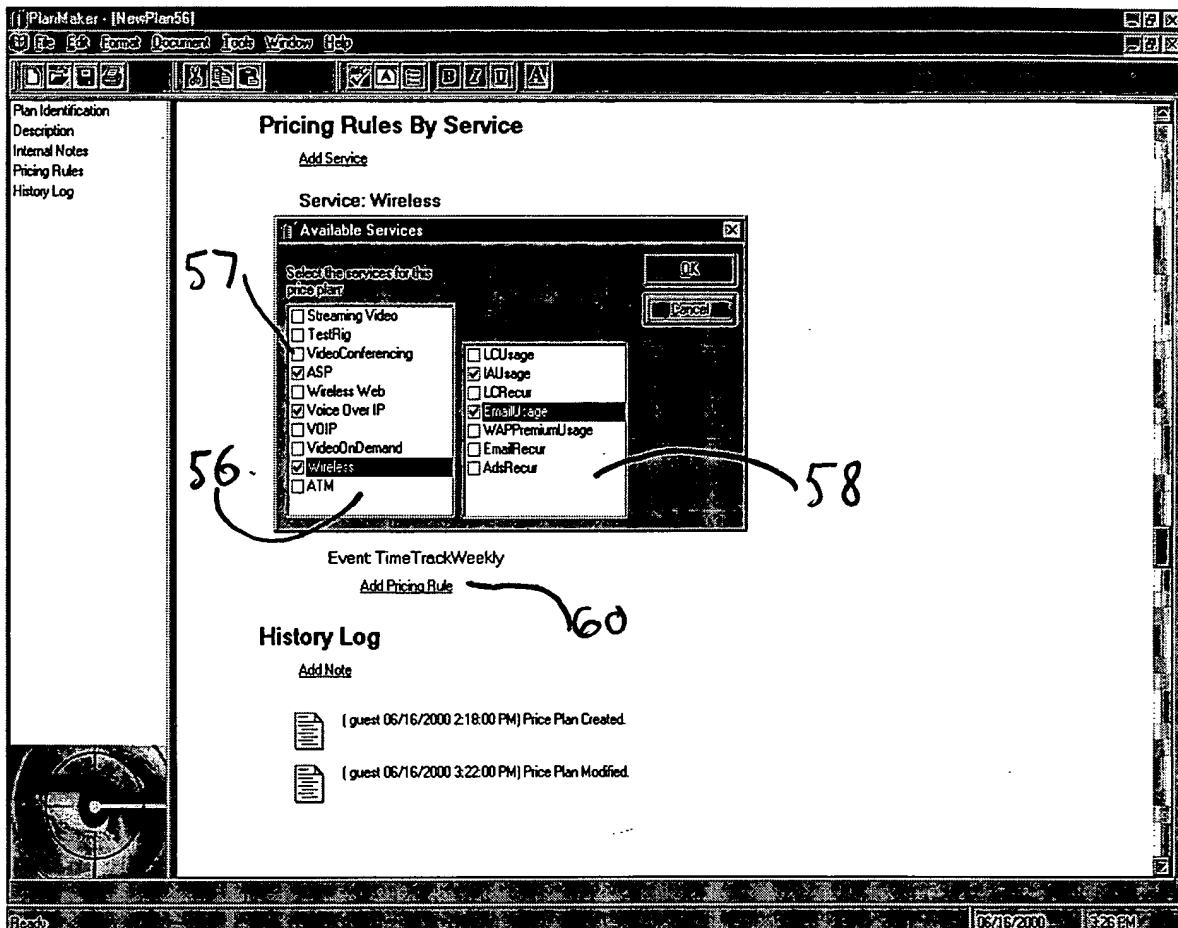


Figure 6A

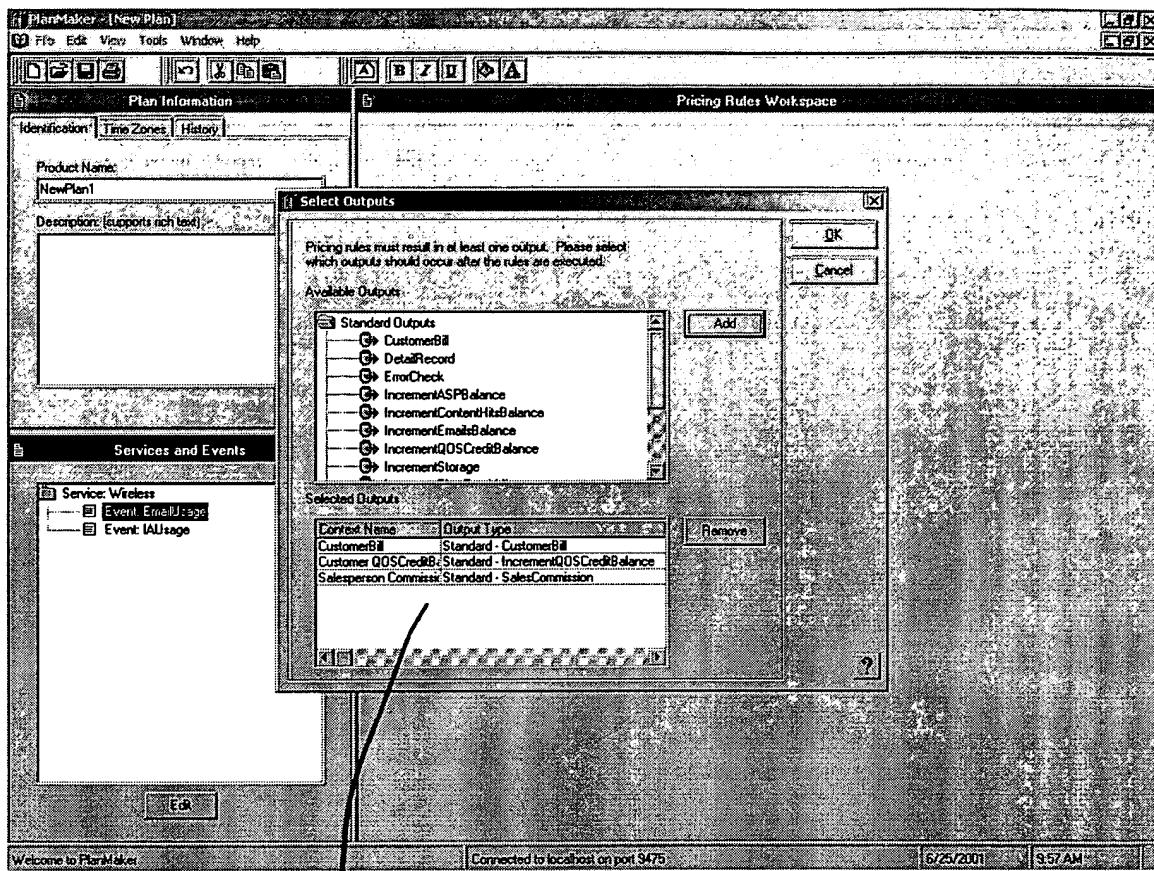


Figure 6B

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**Pricing Rules**

**B28** | =D10

A	B	C	D	E
1 Output: BillingRecord				
2 BillingRecord Field Names	BillingRecord Field Values			
3 AccountID	jsmith			
4 Amount	0			
5 EventType	E-mail Sent			
6				
7 Input Field Names	Reliability Metrics	Performance Metrics	Sample Data	
8 EmailDestinationAddress	Guaranteed	Fast	me@here.com	
9 EmailBytesReceived	Guaranteed	Fast	341K	
10 EmailBytesSent	Guaranteed	Fast	431K	
11 GatewayID	Guaranteed	Fast	ADETEW	
12 EmailPriority	Guaranteed	Fast	LOW	
13 CustomerID	Guaranteed	Fast	jsmith	
14 EmailStorageServerIP	Guaranteed	Fast	234.12.854.678	
15 EmailEventTime	Guaranteed	Fast	6/15/2000 13:38	
16 CustomerDB.ContentHitsGuaranteed	Guaranteed	Fast	21	
17 CustomerDB.ContentHitsBalance	Guaranteed	Fast	931	
18 CustomerDB.EmailsGuaranteed	Guaranteed	Fast	456	
19 CustomerDB.OptInPushAds	Guaranteed	Fast	7575	
20 CustomerDB.VoiceMinutesPlan	Guaranteed	Fast	456	
21 CustomerDB.EmailsBalance	Guaranteed	Fast	1246	
22 CustomerDB.EmailDiskQuota	Guaranteed	Fast	16965	
23				
24 Calculation Workspace				
25 Quantity of Data Sent	431K			
26 Amount Total	=D10			
27				

**EmailUsage**

**CAPS NUM SCRL**

Figure 7

TO DO LIST: 1. Create a new table for customer usage data.

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A	B	C	D
Output Field Names	Output Formulas		
1 Amount	4.8 = $B19 - B19 * B22$		
2 AccountID	= D12		
Input Field Names	Reliability Metrics	Performance Metrics	Input Values
5 TimeStarted	Guaranteed	Fast	10:00:00
6 TimeCompleted	Guaranteed	Fast	12:00:00
7 QoSMinGood	Guaranteed	Fast	60
8 QoSMinFair	Guaranteed	Fast	30
9 QoSMinPoor	Guaranteed	Fast	30
10 HostEmailAddress	Guaranteed	Fast	don@here.com
11 AccountID	Guaranteed	Fast	A123456789
12 NumberParticipants	Guaranteed	Fast	5
13			
14			
Calculation Workspace			
16 Duration in Minutes	120 = $(D7 - D4) * 24 * 60$		
17 Duration in Hours	2 = CEILING(B16 / 60, 1)		
18 Charge Per Hour	3		
19 SubTotal	6 = B17 * B18		
20 Eligible for Poor Discount	IF((0.5 * B16) < D10, TRUE, FALSE)		
21 Eligible for Fair Discount	:= IF((0.2 * B16) < D9, TRUE, FALSE)		
22 Discount Amount	0.2 = IF(B20 = TRUE, 1, IF(B21 = TRUE, 0.2, 0))		

Gives 100% Discount if 50% of minutes rated poor  
 20% Discount if 20% of minutes rated fair

Fig 8.

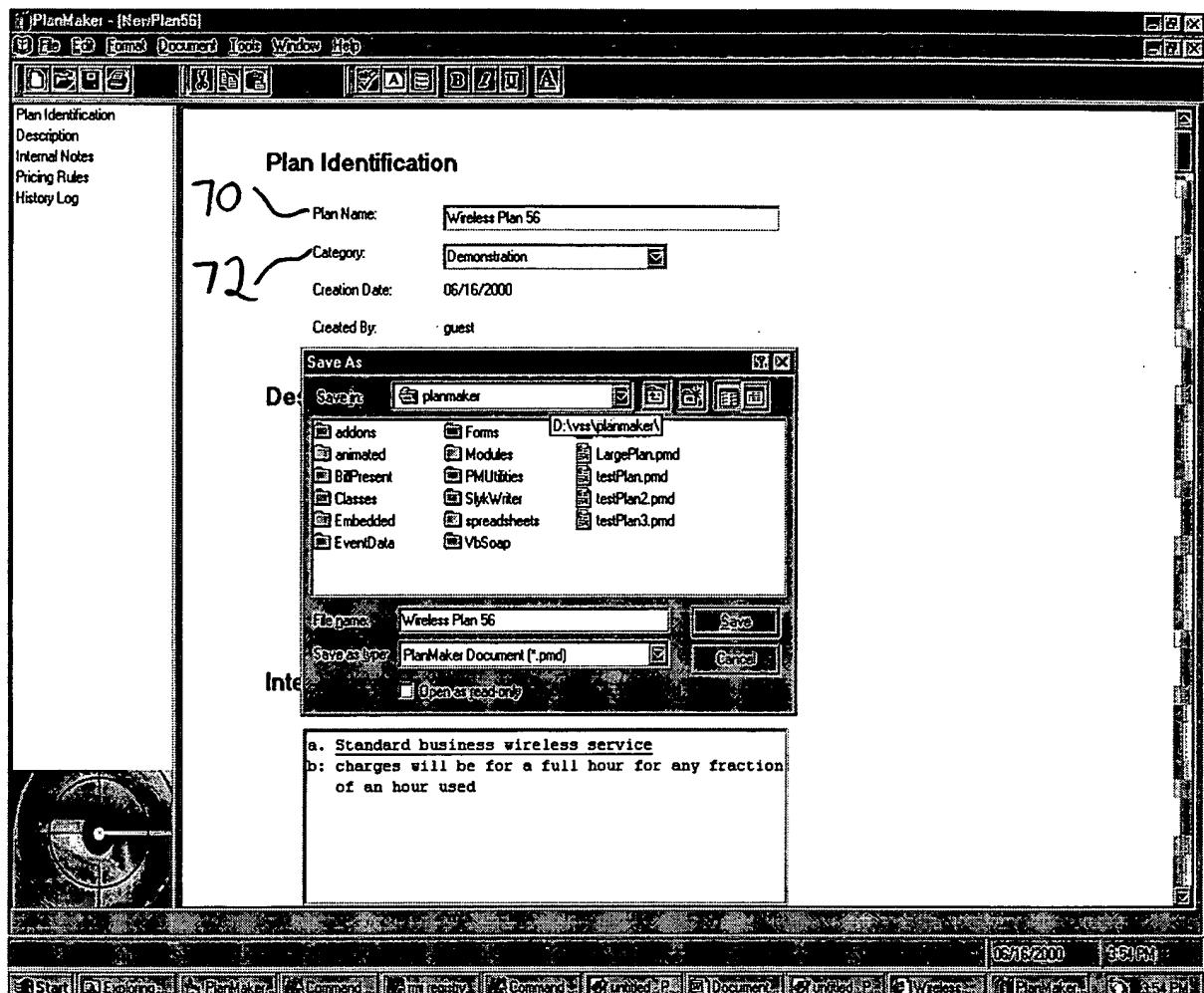


Figure 9

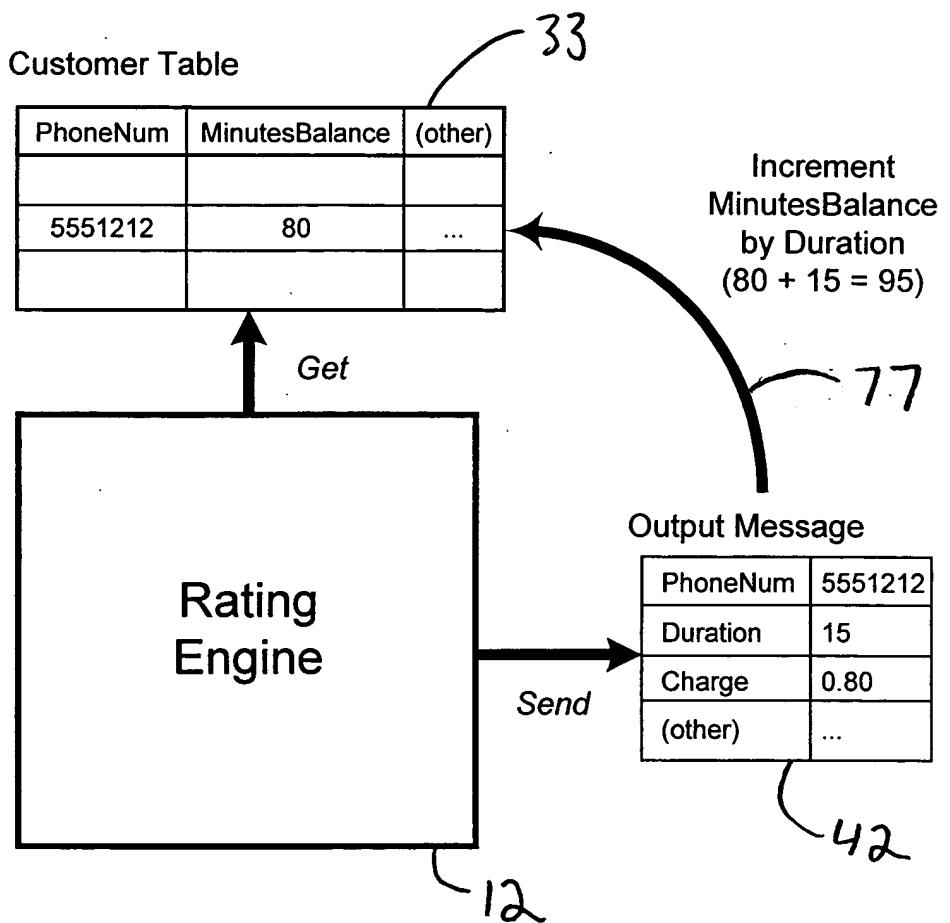


Figure 10